

## EAST Search History

| Ref # | Hits | Search Query   | DBs  | Default Operator | Plurals | Time Stamp       |
|-------|------|--|--|------------------|---------|------------------|
| S1    | 24   | us-5788778-\$.did. or<br>us-6055927-\$.did. or<br>us-6182603-\$.did. or<br>us-6203657-\$.did. or<br>us-6225745-\$.did. or<br>us-6263831-\$.did. or<br>us-6432255-\$.did. or<br>us-6767834-\$.did. or<br>ep-1118692-\$.did. or<br>jp-2004214630-\$.did.<br>us-20010006070-\$.did.<br>or us-20010008803-\$.<br>did. or us-<br>20020011210-\$.did. or<br>us-20040129385-\$.did. | US-PGPUB;<br>USPAT; EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2007/09/03 14:23 |
| S2    | 8    | ("5306671"  <br>"5328558"   "5350480"<br>  "5681780"  <br>"6110836"   "6333268"<br>  "6346489"  <br>"6492272").PN. OR<br>("6767834").URPN.   | US-PGPUB;<br>USPAT; USOCR                            | OR               | ON      | 2005/06/16 14:56 |
| S3    | 7    | ("5904800"  <br>"6110283"  <br>"6283060").PN. OR<br>("6432255").URPN.  | US-PGPUB;<br>USPAT; USOCR                            | OR               | ON      | 2005/06/16 14:57 |
| S4    | 14   | ("4341941"  <br>"5397962"   "5498308"<br>  "5734143"  <br>"5772832"   "5792272"<br>  "5846883"  <br>"5908319").PN. OR<br>("6225745").URPN.   | US-PGPUB;<br>USPAT; USOCR                            | OR               | ON      | 2005/06/16 14:59 |

|     |      |  |  |    |     |                  |
|-----|------|--|--|----|-----|------------------|
| S5  | 43   | ("4051382"  <br>"4446815"   "4461783"<br>  "4624214"  <br>"4724160"   "4771730"<br>  "5015330"  <br>"5154135"   "5254171"<br>  "5366585"  <br>"5449444"   "5453125"<br>  "5472508"  <br>"5558717"   "5651826"<br>  "5653806"  <br>"5788778"   "5804923"<br>  "5812403"  <br>"5834371"   "5846332"<br>  "5882411"  <br>"5895548").PN. OR<br>("6055927").URPN. | US-PGPUB;<br>USPAT; USOCR                            | OR | ON  | 2005/06/16 15:05 |
| S6  | 2    | ("5788778").PN.  | US-PGPUB;<br>USPAT; EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/07/12 11:12 |
| S7  | 5    | microwave adj1<br>arrestor   | US-PGPUB;<br>USPAT; EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2005/07/12 13:43 |
| S8  | 93   | (microwave with (stops<br>and plasma))   | US-PGPUB;<br>USPAT; EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2005/07/12 13:46 |
| S9  | 20   | (microwave with<br>((delimit\$3) and<br>plasma)) not S8  | US-PGPUB;<br>USPAT; EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2005/07/12 14:25 |
| S10 | 0    | S9 and (controller or<br>computer or CPU)  | US-PGPUB;<br>USPAT; EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2005/07/12 14:25 |
| S11 | 2465 | (microwave with<br>((contain\$3) and<br>plasma)) not (S8 or S9)  | US-PGPUB;<br>USPAT; EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2005/07/12 14:30 |
| S12 | 568  | S11 and (controller or<br>computer or CPU)   | US-PGPUB;<br>USPAT; EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2005/07/12 14:31 |
| S13 | 384  | S12 and pump   | US-PGPUB;<br>USPAT; EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2005/07/12 14:31 |

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|-----|------|--|--|----|----|------------------|
| S14 | 2465 | (microwaves with ((contain\$3) and plasma)) not (S8 or S9)   | US-PGPUB;<br>USPAT; EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/07/12 14:31 |
| S15 | 568  | S14 and (controller or computer or CPU)  | US-PGPUB;<br>USPAT; EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/07/12 14:31 |
| S16 | 384  | S15 and pump   | US-PGPUB;<br>USPAT; EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/07/12 14:31 |
| S17 | 46   | (waves with contain\$3) and S16  | US-PGPUB;<br>USPAT; EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/07/12 14:32 |
| S18 | 24   | us-5788778-\$.did. or<br>us-6055927-\$.did. or<br>us-6182603-\$.did. or<br>us-6203657-\$.did. or<br>us-6225745-\$.did. or<br>us-6263831-\$.did. or<br>us-6432255-\$.did. or<br>us-6767834-\$.did. or<br>ep-1118692-\$.did. or<br>jp-2004214630-\$.did.<br>us-20010006070-\$.did.<br>or us-20010008803-\$.<br>did. or us-<br>20020011210-\$.did. or<br>us-20040129385-\$.did. | US-PGPUB;<br>USPAT; EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/07/13 08:28 |
| S19 | 8    | ("5306671"  <br>"5328558"   "5350480"<br>  "5681780"  <br>"6110836"   "6333268"<br>  "6346489"  <br>"6492272").PN. OR<br>("6767834").URPN.   | US-PGPUB;<br>USPAT; USOCR                            | OR | ON | 2005/07/13 08:28 |
| S20 | 7    | ("5904800"  <br>"6110283"  <br>"6283060").PN. OR<br>("6432255").URPN.  | US-PGPUB;<br>USPAT; USOCR                            | OR | ON | 2005/07/13 08:28 |
| S21 | 14   | ("4341941"  <br>"5397962"   "5498308"<br>  "5734143"  <br>"5772832"   "5792272"<br>  "5846883"  <br>"5908319").PN. OR<br>("6225745").URPN.   | US-PGPUB;<br>USPAT; USOCR                            | OR | ON | 2005/07/13 08:28 |

|     |      |  |  |    |     |                  |
|-----|------|--|--|----|-----|------------------|
| S22 | 43   | ("4051382"  <br>"4446815"   "4461783"<br>  "4624214"  <br>"4724160"   "4771730"<br>  "5015330"  <br>"5154135"   "5254171"<br>  "5366585"  <br>"5449444"   "5453125"<br>  "5472508"  <br>"5558717"   "5651826"<br>  "5653806"  <br>"5788778"   "5804923"<br>  "5812403"  <br>"5834371"   "5846332"<br>  "5882411"  <br>"5895548").PN. OR<br>("6055927").URPN. | US-PGPUB;<br>USPAT; USOCR                            | OR | ON  | 2005/07/13 08:28 |
| S23 | 2    | ("5788778").PN.  | US-PGPUB;<br>USPAT; EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/07/13 08:28 |
| S24 | 5    | microwave adj1<br>arrestor   | US-PGPUB;<br>USPAT; EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2005/07/13 08:28 |
| S25 | 93   | (microwave with (stops<br>and plasma))   | US-PGPUB;<br>USPAT; EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2005/07/13 08:34 |
| S26 | 20   | (microwave with<br>((delimit\$3) and<br>plasma)) not S25   | US-PGPUB;<br>USPAT; EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2005/07/13 08:28 |
| S27 | 0    | S26 and (controller or<br>computer or CPU)   | US-PGPUB;<br>USPAT; EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2005/07/13 08:28 |
| S28 | 20   | (microwave with<br>((delimit\$3) and<br>plasma)) not S25   | US-PGPUB;<br>USPAT; EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2005/07/13 08:28 |
| S29 | 2465 | (microwave with<br>((contain\$3) and<br>plasma)) not (S25 or<br>S26)   | US-PGPUB;<br>USPAT; EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2005/07/13 08:28 |
| S30 | 568  | S29 and (controller or<br>computer or CPU)   | US-PGPUB;<br>USPAT; EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2005/07/13 08:28 |

|     |       |  |  |    |    |                  |
|-----|-------|--|--|----|----|------------------|
| S31 | 384   | S30 and pump   | US-PGPUB;<br>USPAT; EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/07/13 08:28 |
| S32 | 2465  | (microwaves with<br>((contain\$3) and<br>plasma)) not (S25 or<br>S26)                | US-PGPUB;<br>USPAT; EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/07/13 08:28 |
| S33 | 568   | S32 and (controller or<br>computer or CPU)   | US-PGPUB;<br>USPAT; EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/07/13 08:28 |
| S34 | 384   | S33 and pump   | US-PGPUB;<br>USPAT; EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/07/13 08:28 |
| S35 | 46    | (waves with contain\$3)<br>and S34   | US-PGPUB;<br>USPAT; EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/07/13 08:28 |
| S36 | 2     | (stops adj1<br>microwaves) same<br>(plasma and (chamber<br>or reactor or vessel))    | US-PGPUB;<br>USPAT; EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/07/13 08:35 |
| S37 | 13    | (stops adj1<br>microwaves) and<br>(plasma and (chamber<br>or reactor or vessel))     | US-PGPUB;<br>USPAT; EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/07/13 09:33 |
| S38 | 8     | (limits adj1<br>microwaves) and<br>(plasma and (chamber<br>or reactor or vessel))    | US-PGPUB;<br>USPAT; EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/07/13 09:35 |
| S39 | 48983 | (barrier near/3<br>microwaves) and<br>(plasma and (chamber<br>or reactor or vessel)) | US-PGPUB;<br>USPAT; EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/07/13 09:35 |
| S40 | 48983 | (barrier near/1<br>microwaves) and<br>(plasma and (chamber<br>or reactor or vessel)) | US-PGPUB;<br>USPAT; EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/07/13 09:37 |
| S41 | 204   | (barrier with<br>microwaves) and<br>(plasma and (chamber<br>or reactor or vessel))   | US-PGPUB;<br>USPAT; EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/07/13 11:01 |
| S42 | 142   | S41 and (wafer or<br>substrate)  | US-PGPUB;<br>USPAT; EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/07/13 10:16 |

|     |     |  |   |    |    |                  |
|-----|-----|--|---|----|----|------------------|
| S43 | 15  | ("4699689"   "4988644"   "5262610"   "5453125"   "5747917").PN. OR ("5902404").URPN.   | US-PGPUB; USPAT; USOCR                      | OR | ON | 2005/07/13 10:47 |
| S44 | 26  | ("4401054"   "4724159"   "4857132"   "5082517"   "5138973"   "5294571"   "5403434"   "5685949"   "5902404"   "6029602").PN. OR ("6450116").URPN. | US-PGPUB; USPAT; USOCR                      | OR | ON | 2005/07/13 10:59 |
| S45 | 104 | (shutter with microwaves) and (plasma and (chamber or reactor or vessel))  | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/13 11:10 |
| S46 | 0   | (shutter with microwave) and (plasma and (chamber or reactor or vessel)) not S45   | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/13 11:10 |
| S47 | 76  | (shutter same microwave) and (plasma and (chamber or reactor or vessel)) not S45   | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/13 11:23 |
| S48 | 27  | ("3585540"   "4536767"   "4825175"   "4825219"   "5003687"   "5049895"   "5184046"   "5325020"   "5389154"   "5587009").PN. OR ("5487875").URPN. | US-PGPUB; USPAT; USOCR                      | OR | ON | 2005/07/13 11:15 |
| S49 | 27  | (shutter same microwave) and plasma and (wafer or substrate) not (S45 or S47)  | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/13 11:26 |
| S50 | 256 | shutter and 118/723M?.ccls. or 156/345.36.ccls. or 156/345.35.ccls.  | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/14 14:04 |
| S51 | 181 | S50 and microwave  | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/13 11:34 |
| S52 | 66  | shutter and (118/723M?.ccls. or 156/345.36.ccls. or 156/345.35.ccls.)  | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/13 11:34 |

|     |    |  |  |    |    |                  |
|-----|----|--|--|----|----|------------------|
| S53 | 44 | S52 and microwave  | US-PGPUB;<br>USPAT; EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/07/13 13:13 |
| S54 | 24 | us-5788778-\$.did. or<br>us-6055927-\$.did. or<br>us-6182603-\$.did. or<br>us-6203657-\$.did. or<br>us-6225745-\$.did. or<br>us-6263831-\$.did. or<br>us-6432255-\$.did. or<br>us-6767834-\$.did. or<br>ep-1118692-\$.did. or<br>jp-2004214630-\$.did.<br>us-20010006070-\$.did.<br>or us-20010008803-\$.<br>did. or us-<br>20020011210-\$.did. or<br>us-20040129385-\$.did. | US-PGPUB;<br>USPAT; EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/07/13 13:13 |
| S55 | 8  | ("5306671"  <br>"5328558"   "5350480"<br>  "5681780"  <br>"6110836"   "6333268"<br>  "6346489"  <br>"6492272").PN. OR<br>("6767834").URPN.   | US-PGPUB;<br>USPAT; USOCR                            | OR | ON | 2005/07/13 13:13 |
| S56 | 7  | ("5904800"  <br>"6110283"  <br>"6283060").PN. OR<br>("6432255").URPN.  | US-PGPUB;<br>USPAT; USOCR                            | OR | ON | 2005/07/13 13:13 |
| S57 | 14 | ("4341941"  <br>"5397962"   "5498308"<br>  "5734143"  <br>"5772832"   "5792272"<br>  "5846883"  <br>"5908319").PN. OR<br>("6225745").URPN.   | US-PGPUB;<br>USPAT; USOCR                            | OR | ON | 2005/07/13 13:13 |
| S58 | 43 | ("4051382"  <br>"4446815"   "4461783"<br>  "4624214"  <br>"4724160"   "4771730"<br>  "5015330"  <br>"5154135"   "5254171"<br>  "5366585"  <br>"5449444"   "5453125"<br>  "5472508"  <br>"5558717"   "5651826"<br>  "5653806"  <br>"5788778"   "5804923"<br>  "5812403"  <br>"5834371"   "5846332"<br>  "5882411"  <br>"5895548").PN. OR<br>("6055927").URPN.                 | US-PGPUB;<br>USPAT; USOCR                            | OR | ON | 2005/07/13 13:13 |

|     |      |   |  |    |     |                  |
|-----|------|---|--|----|-----|------------------|
| S59 | 2    | ("5788778").PN.   | US-PGPUB;<br>USPAT; EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/07/13 13:13 |
| S60 | 5    | microwave adj1<br>arrestor  | US-PGPUB;<br>USPAT; EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2005/07/13 13:13 |
| S61 | 93   | (microwave with (stops<br>and plasma))                                | US-PGPUB;<br>USPAT; EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2005/07/13 13:13 |
| S62 | 20   | (microwave with<br>((delimit\$3) and<br>plasma)) not S61              | US-PGPUB;<br>USPAT; EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2005/07/13 13:13 |
| S63 | 0    | S62 and (controller or<br>computer or CPU)                            | US-PGPUB;<br>USPAT; EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2005/07/13 13:13 |
| S64 | 20   | (microwave with<br>((delimit\$3) and<br>plasma)) not S61              | US-PGPUB;<br>USPAT; EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2005/07/13 13:13 |
| S65 | 2465 | (microwave with<br>((contain\$3) and<br>plasma)) not (S61 or<br>S62)  | US-PGPUB;<br>USPAT; EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2005/07/13 13:13 |
| S66 | 568  | S65 and (controller or<br>computer or CPU)                            | US-PGPUB;<br>USPAT; EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2005/07/13 13:13 |
| S67 | 384  | S66 and pump  | US-PGPUB;<br>USPAT; EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2005/07/13 13:13 |
| S68 | 2465 | (microwaves with<br>((contain\$3) and<br>plasma)) not (S61 or<br>S62) | US-PGPUB;<br>USPAT; EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2005/07/13 13:13 |
| S69 | 568  | S68 and (controller or<br>computer or CPU)                            | US-PGPUB;<br>USPAT; EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2005/07/13 13:13 |
| S70 | 384  | S69 and pump  | US-PGPUB;<br>USPAT; EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2005/07/13 13:13 |



|     |      |  |  |    |    |                  |
|-----|------|--|--|----|----|------------------|
| S71 | 46   | (waves with contain\$3) and S70  | US-PGPUB;<br>USPAT; EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/07/13 13:13 |
| S72 | 93   | (microwave with (stops and plasma))  | US-PGPUB;<br>USPAT; EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/07/13 13:13 |
| S73 | 20   | (microwave with ((delimit\$3) and plasma)) not S72   | US-PGPUB;<br>USPAT; EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/07/13 13:13 |
| S74 | 0    | S73 and (controller or computer or CPU)  | US-PGPUB;<br>USPAT; EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/07/13 13:13 |
| S75 | 2465 | (microwave with ((contain\$3) and plasma)) not (S72 or S73)  | US-PGPUB;<br>USPAT; EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/07/13 13:13 |
| S76 | 568  | S75 and (controller or computer or CPU)  | US-PGPUB;<br>USPAT; EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/07/13 13:13 |
| S77 | 2465 | (microwaves with ((contain\$3) and plasma)) not (S72 or S73)   | US-PGPUB;<br>USPAT; EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/07/13 13:13 |
| S78 | 568  | S77 and (controller or computer or CPU)  | US-PGPUB;<br>USPAT; EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/07/13 13:13 |
| S79 | 384  | S78 and pump   | US-PGPUB;<br>USPAT; EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/07/13 13:13 |
| S80 | 24   | us-5788778-\$.did. or<br>us-6055927-\$.did. or<br>us-6182603-\$.did. or<br>us-6203657-\$.did. or<br>us-6225745-\$.did. or<br>us-6263831-\$.did. or<br>us-6432255-\$.did. or<br>us-6767834-\$.did. or<br>ep-1118692-\$.did. or<br>jp-2004214630-\$.did.<br>us-20010006070-\$.did.<br>or us-20010008803-\$.<br>did. or us-<br>20020011210-\$.did. or<br>us-20040129385-\$.did. | US-PGPUB;<br>USPAT; EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/07/13 13:13 |

|     |    |  |  |    |     |                  |
|-----|----|--|--|----|-----|------------------|
| S81 | 8  | ("5306671"  <br>"5328558"   "5350480"<br>  "5681780"  <br>"6110836"   "6333268"<br>  "6346489"  <br>"6492272").PN. OR<br>("6767834").URPN.   | US-PGPUB;<br>USPAT; USOCR                            | OR | ON  | 2005/07/13 13:13 |
| S82 | 7  | ("5904800"  <br>"6110283"  <br>"6283060").PN. OR<br>("6432255").URPN.  | US-PGPUB;<br>USPAT; USOCR                            | OR | ON  | 2005/07/13 13:14 |
| S83 | 14 | ("4341941"  <br>"5397962"   "5498308"<br>  "5734143"  <br>"5772832"   "5792272"<br>  "5846883"  <br>"5908319").PN. OR<br>("6225745").URPN.   | US-PGPUB;<br>USPAT; USOCR                            | OR | ON  | 2005/07/13 13:14 |
| S84 | 43 | ("4051382"  <br>"4446815"   "4461783"<br>  "4624214"  <br>"4724160"   "4771730"<br>  "5015330"  <br>"5154135"   "5254171"<br>  "5366585"  <br>"5449444"   "5453125"<br>  "5472508"  <br>"5558717"   "5651826"<br>  "5653806"  <br>"5788778"   "5804923"<br>  "5812403"  <br>"5834371"   "5846332"<br>  "5882411"  <br>"5895548").PN. OR<br>("6055927").URPN. | US-PGPUB;<br>USPAT; USOCR                            | OR | ON  | 2005/07/13 13:14 |
| S85 | 2  | ("5788778").PN.  | US-PGPUB;<br>USPAT; EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/07/13 13:14 |
| S86 | 5  | microwave adj1<br>arrestor   | US-PGPUB;<br>USPAT; EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2005/07/13 13:14 |
| S87 | 93 | (microwave with (stops<br>and plasma))   | US-PGPUB;<br>USPAT; EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2005/07/13 13:14 |
| S88 | 20 | (microwave with<br>((delimit\$3) and<br>plasma)) not S72   | US-PGPUB;<br>USPAT; EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2005/07/13 13:14 |

|     |       |  |  |    |    |                  |
|-----|-------|--|--|----|----|------------------|
| S89 | 46    | (waves with contain\$3) and S79  | US-PGPUB;<br>USPAT; EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/07/13 13:14 |
| S90 | 384   | S76 and pump   | US-PGPUB;<br>USPAT; EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/07/13 13:14 |
| S91 | 2     | (stops adj1 microwaves) same (plasma and (chamber or reactor or vessel))   | US-PGPUB;<br>USPAT; EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/07/13 13:14 |
| S92 | 13    | (stops adj1 microwaves) and (plasma and (chamber or reactor or vessel))  | US-PGPUB;<br>USPAT; EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/07/13 13:14 |
| S93 | 8     | (limits adj1 microwaves) and (plasma and (chamber or reactor or vessel))   | US-PGPUB;<br>USPAT; EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/07/13 13:14 |
| S94 | 48983 | (barrier near/3 microwaves) and (plasma and (chamber or reactor or vessel))  | US-PGPUB;<br>USPAT; EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/07/13 13:14 |
| S95 | 48983 | (barrier near/1 microwaves) and (plasma and (chamber or reactor or vessel))  | US-PGPUB;<br>USPAT; EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/07/13 13:14 |
| S96 | 204   | (barrier with microwaves) and (plasma and (chamber or reactor or vessel))  | US-PGPUB;<br>USPAT; EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/07/13 13:14 |
| S97 | 142   | S96 and (wafer or substrate)   | US-PGPUB;<br>USPAT; EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/07/13 13:14 |
| S98 | 15    | ("4699689"   "4988644"   "5262610"   "5453125"   "5747917").PN. OR ("5902404").URPN.   | US-PGPUB;<br>USPAT; USOCR                            | OR | ON | 2005/07/13 13:14 |
| S99 | 26    | ("4401054"   "4724159"   "4857132"   "5082517"   "5138973"   "5294571"   "5403434"   "5685949"   "5902404"   "6029602").PN. OR ("6450116").URPN. | US-PGPUB;<br>USPAT; USOCR                            | OR | ON | 2005/07/13 13:14 |

|      |     |  |   |    |    |                  |
|------|-----|--|---|----|----|------------------|
| S100 | 104 | (shutter with microwaves) and (plasma and (chamber or reactor or vessel))  | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/13 13:14 |
| S101 | 0   | (shutter with microwave) and (plasma and (chamber or reactor or vessel)) not S100  | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/13 13:14 |
| S102 | 76  | (shutter same microwave) and (plasma and (chamber or reactor or vessel)) not S100  | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/13 13:14 |
| S103 | 27  | ("3585540"   "4536767"   "4825175"   "4825219"   "5003687"   "5049895"   "5184046"   "5325020"   "5389154"   "5587009").PN. OR ("5487875").URPN. | US-PGPUB; USPAT; USOCR                      | OR | ON | 2005/07/13 13:14 |
| S104 | 27  | (shutter same microwave) and plasma and (wafer or substrate) not (S100 or S102)  | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/13 13:14 |
| S105 | 256 | shutter and 118/723M?.ccls. or 156/345.36.ccls. or 156/345.35.ccls.  | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/13 13:14 |
| S106 | 181 | S105 and microwave   | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/13 13:14 |
| S107 | 66  | shutter and (118/723M?.ccls. or 156/345.36.ccls. or 156/345.35.ccls.)  | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/13 13:14 |
| S108 | 44  | S107 and microwave   | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/13 13:14 |
| S109 | 75  | S105 not S106  | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/13 13:16 |

|      |    |  |  |    |    |                  |
|------|----|--|--|----|----|------------------|
| S110 | 24 | us-5788778-\$.did. or<br>us-6055927-\$.did. or<br>us-6182603-\$.did. or<br>us-6203657-\$.did. or<br>us-6225745-\$.did. or<br>us-6263831-\$.did. or<br>us-6432255-\$.did. or<br>us-6767834-\$.did. or<br>ep-1118692-\$.did. or<br>jp-2004214630-\$.did.<br>us-20010006070-\$.did.<br>or us-20010008803-\$.<br>did. or us-<br>20020011210-\$.did. or<br>us-20040129385-\$.did. | US-PGPUB;<br>USPAT; EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/07/13 13:16 |
| S111 | 8  | ("5306671"  <br>"5328558"   "5350480"<br>  "5681780"  <br>"6110836"   "6333268"<br>  "6346489"  <br>"6492272").PN. OR<br>("6767834").URPN.   | US-PGPUB;<br>USPAT; USOCR                            | OR | ON | 2005/07/13 13:16 |
| S112 | 7  | ("5904800"  <br>"6110283"  <br>"6283060").PN. OR<br>("6432255").URPN.  | US-PGPUB;<br>USPAT; USOCR                            | OR | ON | 2005/07/13 13:16 |
| S113 | 14 | ("4341941"  <br>"5397962"   "5498308"<br>  "5734143"  <br>"5772832"   "5792272"<br>  "5846883"  <br>"5908319").PN. OR<br>("6225745").URPN.   | US-PGPUB;<br>USPAT; USOCR                            | OR | ON | 2005/07/13 13:16 |
| S114 | 43 | ("4051382"  <br>"4446815"   "4461783"<br>  "4624214"  <br>"4724160"   "4771730"<br>  "5015330"  <br>"5154135"   "5254171"<br>  "5366585"  <br>"5449444"   "5453125"<br>  "5472508"  <br>"5558717"   "5651826"<br>  "5653806"  <br>"5788778"   "5804923"<br>  "5812403"  <br>"5834371"   "5846332"<br>  "5882411"  <br>"5895548").PN. OR<br>("6055927").URPN.                 | US-PGPUB;<br>USPAT; USOCR                            | OR | ON | 2005/07/13 13:16 |

|      |      |   |  |    |     |                  |
|------|------|---|--|----|-----|------------------|
| S115 | 2    | ("5788778").PN.   | US-PGPUB;<br>USPAT; EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/07/13 13:16 |
| S116 | 5    | microwave adj1<br>arrestor  | US-PGPUB;<br>USPAT; EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2005/07/13 13:16 |
| S117 | 93   | (microwave with (stops<br>and plasma))                                | US-PGPUB;<br>USPAT; EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2005/07/13 13:16 |
| S118 | 0    | S62 and (controller or<br>computer or CPU)                            | US-PGPUB;<br>USPAT; EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2005/07/13 13:16 |
| S119 | 20   | (microwave with<br>((delimit\$3) and<br>plasma)) not S61              | US-PGPUB;<br>USPAT; EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2005/07/13 13:16 |
| S120 | 2465 | (microwave with<br>((contain\$3) and<br>plasma)) not (S61 or<br>S62)  | US-PGPUB;<br>USPAT; EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2005/07/13 13:16 |
| S121 | 568  | S65 and (controller or<br>computer or CPU)                            | US-PGPUB;<br>USPAT; EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2005/07/13 13:16 |
| S122 | 384  | S66 and pump  | US-PGPUB;<br>USPAT; EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2005/07/13 13:16 |
| S123 | 2465 | (microwaves with<br>((contain\$3) and<br>plasma)) not (S61 or<br>S62) | US-PGPUB;<br>USPAT; EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2005/07/13 13:16 |
| S124 | 568  | S68 and (controller or<br>computer or CPU)                            | US-PGPUB;<br>USPAT; EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2005/07/13 13:16 |
| S125 | 384  | S69 and pump  | US-PGPUB;<br>USPAT; EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2005/07/13 13:16 |
| S126 | 46   | (waves with contain\$3)<br>and S70                                    | US-PGPUB;<br>USPAT; EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2005/07/13 13:16 |

|      |      |  |  |    |    |                  |
|------|------|--|--|----|----|------------------|
| S127 | 20   | (microwave with ((delimit\$3) and plasma)) not S72   | US-PGPUB;<br>USPAT; EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/07/13 13:16 |
| S128 | 0    | S73 and (controller or computer or CPU)  | US-PGPUB;<br>USPAT; EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/07/13 13:16 |
| S129 | 2465 | (microwave with ((contain\$3) and plasma)) not (S72 or S73)  | US-PGPUB;<br>USPAT; EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/07/13 13:16 |
| S130 | 568  | S75 and (controller or computer or CPU)  | US-PGPUB;<br>USPAT; EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/07/13 13:16 |
| S131 | 2465 | (microwaves with ((contain\$3) and plasma)) not (S72 or S73)   | US-PGPUB;<br>USPAT; EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/07/13 13:16 |
| S132 | 568  | S77 and (controller or computer or CPU)  | US-PGPUB;<br>USPAT; EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/07/13 13:16 |
| S133 | 384  | S78 and pump   | US-PGPUB;<br>USPAT; EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/07/13 13:16 |
| S134 | 24   | us-5788778-\$.did. or<br>us-6055927-\$.did. or<br>us-6182603-\$.did. or<br>us-6203657-\$.did. or<br>us-6225745-\$.did. or<br>us-6263831-\$.did. or<br>us-6432255-\$.did. or<br>us-6767834-\$.did. or<br>ep-1118692-\$.did. or<br>jp-2004214630-\$.did.<br>us-20010006070-\$.did.<br>or us-20010008803-\$.<br>did. or us-<br>20020011210-\$.did. or<br>us-20040129385-\$.did. | US-PGPUB;<br>USPAT; EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/07/13 13:16 |
| S135 | 8    | ("5306671"  <br>"5328558"   "5350480"<br>  "5681780"  <br>"6110836"   "6333268"<br>  "6346489"  <br>"6492272").PN. OR<br>("6767834").URPN.   | US-PGPUB;<br>USPAT; USOCR                            | OR | ON | 2005/07/13 13:16 |

|      |     |  |  |    |     |                  |
|------|-----|--|--|----|-----|------------------|
| S136 | 7   | ("5904800"  <br>"6110283"  <br>"6283060").PN. OR<br>("6432255").URPN.  | US-PGPUB;<br>USPAT; USOCR                            | OR | ON  | 2005/07/13 13:16 |
| S137 | 14  | ("4341941"  <br>"5397962"   "5498308"<br>  "5734143"  <br>"5772832"   "5792272"<br>  "5846883"  <br>"5908319").PN. OR<br>("6225745").URPN.   | US-PGPUB;<br>USPAT; USOCR                            | OR | ON  | 2005/07/13 13:16 |
| S138 | 43  | ("4051382"  <br>"4446815"   "4461783"<br>  "4624214"  <br>"4724160"   "4771730"<br>  "5015330"  <br>"5154135"   "5254171"<br>  "5366585"  <br>"5449444"   "5453125"<br>  "5472508"  <br>"5558717"   "5651826"<br>  "5653806"  <br>"5788778"   "5804923"<br>  "5812403"  <br>"5834371"   "5846332"<br>  "5882411"  <br>"5895548").PN. OR<br>("6055927").URPN. | US-PGPUB;<br>USPAT; USOCR                            | OR | ON  | 2005/07/13 13:16 |
| S139 | 2   | ("5788778").PN.  | US-PGPUB;<br>USPAT; EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/07/13 13:16 |
| S140 | 5   | microwave adj1<br>arrestor   | US-PGPUB;<br>USPAT; EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2005/07/13 13:16 |
| S141 | 93  | (microwave with (stops<br>and plasma))   | US-PGPUB;<br>USPAT; EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2005/07/13 13:16 |
| S142 | 20  | (microwave with<br>((delimit\$3) and<br>plasma)) not S72   | US-PGPUB;<br>USPAT; EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2005/07/13 13:16 |
| S143 | 46  | (waves with contain\$3)<br>and S79   | US-PGPUB;<br>USPAT; EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2005/07/13 13:16 |
| S144 | 384 | S76 and pump   | US-PGPUB;<br>USPAT; EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2005/07/13 13:16 |



|      |       |  |   |    |    |                  |
|------|-------|--|---|----|----|------------------|
| S145 | 2     | (stops adj1 microwaves) same (plasma and (chamber or reactor or vessel))   | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/13 13:16 |
| S146 | 13    | (stops adj1 microwaves) and (plasma and (chamber or reactor or vessel))  | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/13 13:16 |
| S147 | 8     | (limits adj1 microwaves) and (plasma and (chamber or reactor or vessel))   | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/13 13:16 |
| S148 | 48983 | (barrier near/3 microwaves) and (plasma and (chamber or reactor or vessel))  | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/13 13:16 |
| S149 | 48983 | (barrier near/1 microwaves) and (plasma and (chamber or reactor or vessel))  | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/13 13:16 |
| S150 | 204   | (barrier with microwaves) and (plasma and (chamber or reactor or vessel))  | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/13 13:16 |
| S151 | 142   | S96 and (wafer or substrate)   | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/13 13:16 |
| S152 | 15    | ("4699689"   "4988644"   "5262610"   "5453125"   "5747917").PN. OR ("5902404").URPN.   | US-PGPUB; USPAT; USOCR                      | OR | ON | 2005/07/13 13:16 |
| S153 | 26    | ("4401054"   "4724159"   "4857132"   "5082517"   "5138973"   "5294571"   "5403434"   "5685949"   "5902404"   "6029602").PN. OR ("6450116").URPN. | US-PGPUB; USPAT; USOCR                      | OR | ON | 2005/07/13 13:16 |
| S154 | 104   | (shutter with microwaves) and (plasma and (chamber or reactor or vessel))  | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/13 13:16 |
| S155 | 0     | (shutter with microwave) and (plasma and (chamber or reactor or vessel)) not S100  | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/13 13:16 |

|      |     |  |  |    |    |                  |
|------|-----|--|--|----|----|------------------|
| S156 | 76  | (shutter same microwave) and (plasma and (chamber or reactor or vessel)) not S100  | US-PGPUB;<br>USPAT; EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/07/13 13:20 |
| S157 | 27  | ("3585540"   "4536767"   "4825175"   "4825219"   "5003687"   "5049895"   "5184046"   "5325020"   "5389154"   "5587009").PN. OR ("5487875").URPN. | US-PGPUB;<br>USPAT; USOCR                            | OR | ON | 2005/07/13 13:16 |
| S158 | 27  | (shutter same microwave) and plasma and (wafer or substrate) not (S100 or S102)  | US-PGPUB;<br>USPAT; EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/07/13 13:16 |
| S159 | 256 | shutter and 118/723M?.ccls. or 156/345.36.ccls. or 156/345.35.ccls.  | US-PGPUB;<br>USPAT; EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/07/13 13:16 |
| S160 | 181 | S105 and microwave   | US-PGPUB;<br>USPAT; EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/07/13 13:16 |
| S161 | 66  | shutter and (118/723M?.ccls. or 156/345.36.ccls. or 156/345.35.ccls.)  | US-PGPUB;<br>USPAT; EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/07/13 13:16 |
| S162 | 44  | S107 and microwave   | US-PGPUB;<br>USPAT; EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/07/13 13:16 |
| S163 | 94  | (shutter same microwave) and (plasma and (wafer or substrate)) not S100  | US-PGPUB;<br>USPAT; EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/07/13 13:21 |
| S164 | 359 | (shield same microwave) and (plasma and (wafer or substrate)) not S100   | US-PGPUB;<br>USPAT; EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/07/13 13:21 |
| S165 | 223 | (shield with microwave) and (plasma and (wafer or substrate)) not S100   | US-PGPUB;<br>USPAT; EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/07/13 13:52 |
| S166 | 37  | zheng-bo.in.   | US-PGPUB;<br>USPAT; EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/07/13 13:53 |

|      |    |  |  |    |     |                  |
|------|----|--|--|----|-----|------------------|
| S167 | 12 | (waveguide with shutter) and ("156"/\$.ccls. or "118"/\$.ccls.)  | US-PGPUB;<br>USPAT; EPO; JPO;<br>DERWENT;<br>IBM_TDB                 | OR | ON  | 2005/07/14 13:03 |
| S168 | 2  | "4,888,199".pn.  | US-PGPUB;<br>USPAT; EPO; JPO;<br>DERWENT;<br>IBM_TDB                 | OR | ON  | 2005/07/14 13:03 |
| S169 | 6  | ("5,788,778") or ("5,411,591") or ("4,888,199")).PN.   | US-PGPUB;<br>USPAT; EPO; JPO;<br>DERWENT;<br>IBM_TDB                 | OR | OFF | 2005/07/14 14:04 |
| S170 | 13 | (US-5328558-\$ or US-6055927-\$ or US-5788778-\$ or US-6910440-\$ or US-5980769-\$ or US-6450116-\$ or US-6209482-\$ or US-5902404-\$ or US-5411591-\$ or US-6369493-\$ or US-5487875-\$ or US-5567267-\$).did. or (JP-05129235-\$).did. | USPAT; JPO   | OR | ON  | 2006/05/15 07:56 |
| S171 | 2  | ("5788778").PN.  | US-PGPUB;<br>USPAT; EPO; JPO;<br>DERWENT;<br>IBM_TDB                 | OR | OFF | 2007/01/25 13:16 |
| S172 | 2  | ("5788778").PN.  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2007/09/03 14:23 |
| S173 | 13 | (US-5980769-\$ or US-6910440-\$ or US-6450116-\$ or US-6369493-\$ or US-5902404-\$ or US-5487875-\$ or US-5328558-\$ or US-5788778-\$ or US-6055927-\$ or US-6209482-\$ or US-5567267-\$ or US-5411591-\$).did. or (JP-05129235-\$).did. | USPAT; JPO   | OR | ON  | 2009/01/12 10:51 |

|      |      |  |  |    |    |                  |
|------|------|--|--|----|----|------------------|
| S174 | 13   | (US-5980769-\$ or US-6910440-\$ or US-6450116-\$ or US-6369493-\$ or US-5902404-\$ or US-5487875-\$ or US-5328558-\$ or US-5788778-\$ or US-6055927-\$ or US-6209482-\$ or US-5567267-\$ or US-5411591-\$).did. or (JP-05129235-\$).did. | USPAT; JPO   | OR | ON | 2009/03/23 10:22 |
| S175 | 4    | S174 and (deposition same (hydrogen or "H. sub.2"))  | USPAT; JPO   | OR | ON | 2009/03/23 10:50 |
| S176 | 787  | (remot\$3 adj1 plasma) and (deposition same (hydrogen or "H. sub.2"))  | USPAT; JPO   | OR | ON | 2009/03/23 10:52 |
| S177 | 1585 | (remot\$3 adj1 plasma) and (deposition same (hydrogen or "H. sub.2"))  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/03/23 10:52 |
| S178 | 1016 | (remot\$3 adj1 plasma) and (deposition with (hydrogen or "H. sub.2"))  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/03/23 10:52 |
| S179 | 947  | S178 and (chamber or reactor) and (wafer or substrate)   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/03/23 10:53 |
| S180 | 867  | S179 not "texas instruments".asn.  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/03/23 10:59 |

|      |     |   |  |    |    |                  |
|------|-----|---|--|----|----|------------------|
| S181 | 28  | ("3926715"   "3943015"   "4477311"   "4764248"   "4789645"   "4820378"   "4859617"   "4872947"   "4906328"   "4913929"   "5067437"   "5072263"   "5138973"   "5192410"   "5204288"   "5354715"   "5360769"   "5374570"   "5376593"   "5393683"   "5482739"   "5488497"   "5492854"   "5504029"   "5508067"   "5591494"   "5968587"   "6167834").PN. | US-PGPUB;<br>USPAT; USOCR  | OR | ON | 2009/03/23 12:01 |
| S182 | 98  | Raaijmakers-Ivo.in.<br>and plasma   | US-PGPUB;<br>USPAT; USOCR  | OR | ON | 2009/03/23 12:02 |
| S183 | 111 | scrubber and (remote<br>adj1 plasma)  | US-PGPUB;<br>USPAT; USOCR  | OR | ON | 2009/03/23 12:06 |
| S184 | 5   | Werkhoven-Chris.in.<br>and plasma   | US-PGPUB;<br>USPAT; USOCR  | OR | ON | 2009/03/23 12:08 |
| S185 | 0   | S177 and "19971107".<br>ad.   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/03/23 12:37 |
| S186 | 38  | S180 and @py<"1998"   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/03/23 12:39 |
| S187 | 94  | S180 and @ay<"1998"   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/03/23 13:12 |
| S188 | 16  | moslehi.in. and<br>nonplasma  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/03/23 13:16 |
| S189 | 13  | S188 and (hydrogen or<br>"H.sub.2")   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/03/23 13:19 |

|      |    |                    |  |    |    |                  |
|------|----|--------------------|--|----|----|------------------|
| S190 | 13 | S189 and nonplasma | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/03/23 13:20 |
|------|----|--------------------|--|----|----|------------------|

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